

Product datasheet for **MG208283**

Lman1 (NM_027400) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lman1 (NM_027400) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lman1
Synonyms:	2610020P13Rik; AI326273; AU043785; C730041J05; ERGIC53; F5F8D; gp58; MCFD1; MR60; P58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208283 representing NM_027400
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGTGTCCAGGCGGAGGGTCCCCAGGCTGGAGCGCGGTCTTCTCTGCGCCTGCTGCTGTCTT
 TCAGCCAATTCACCGGGAGCGACGGCACGGGAGCGACGCTGCGGCTCCCGGCGCCGGGCACCCAGGC
 CGAGTTGCCACACCGCCGTTTCGAGTACAAATACAGCTTTAAGGGCCGCATCTGGTGCAGAGCGATGGG
 ACCGTGCCCTTTTGGGCCACGCGGGGAATGCTATTCCAAGTGCAGATCAGATTCGAATAGCGCCGTCAT
 TAAAAAGCCTAAGAGGTTCCGTGTGGACCAAAGCAAAGCAGCCTTCGAGAACTGGGAAGTGAAGTGAC
 ATTCGAGTGACCGGAAGAGGTCGAATTGGAGCCGATGGCTTAGCAATTTGGTATACAGAAAATCAAGGC
 TTGGACGGCCCTGTGTTGGATCAGCTGATACGTGGAATGGTGTGGAATATTTTTGATTCTTTGACA
 ATGATGAAAAGAAAATAATCCTGCTATAGTAGTTATAGGCAACAATGGACAAAATCAATTATGACCATCA
 AAATGATGGTGCCACTCAAGCTTAGCGAGTTGTCAGAGGGACTTTCGTAATAAACCTATCCTGTCCGG
 GCAAAGATTACGTATTACCAGAAGACACTGACAGTCATGATCAATAATGGCTTACACCAGATAAAAATG
 ATTATGAATCTGTGCCAAAGTGAAAACATGGTTATCCCCACACAAGGTCATTTGGGATATCAGCGGC
 AACAGGGGACTTGCAGATGACCACGACGTTCTTTCTTCTGACTTTCAAAGTACCGAGCCTGGAAAA
 GAGCCACCTACAGCAGAAAAAGACATTTAGAAAAAGAAAAGAAAAGTATCAAGAGGAGTTGAGCACT
 TCCAGCAAAGATTAGACAAGAAGAAGGAGGAATCCAGAAGGGCCACCCTGACCTCCAGGGGCAGCCAGC
 GGATGACATCTTCGAGAGCATAGGCGATCGGGAGCTGAGACAGGTGTTGAAGGACAGAATCGTATTCAT
 CTGGAGATCAAGCAGCTGAACCGGCAGCTGGATATGATTCTTGATGAACAGAGGAGGTACGTCCTGTC
 TGACAGAGGAGATCTCCAGGAGAGGAGCAGGAACCCCGGACAGCCTGGGCAGGTCTCAGCAGGAACT
 GGACACCGTTGTGAAGAGCCAGCAGGAGATTCTGAGACAAGTGAATGAGGTGAAGAAGTCCATGAGTGAA
 ACTGTGCGGCTGGTGTGAGTGGCATCCAGCACCCGGGCTCAGCAGGCGTCTACGAGACAAGTACGACTTCA
 TGGACATCAAGGAACACCTGCACGTGGTGAAGAGAGATATCGACAGCCTCGCACAGCGCAGCATGCCATC
 TAATGAAAACAAAATGCCAGACCTACCACCTTCCCGTCGTGTCTATCCACGATCCACTTTGTGATA
 TTTGTAGTGGTGCAGACAGTGTGTTGCTATATCATGTACAGGACTCAGCAAGAAGCAGCTGCCA
 AAAAATCTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208283 representing NM_027400
 Red=Cloning site Green=Tags(s)

MAVSRRRVPQAGARSFFCALLLSFSQFTGSDGTGGDAAAPGAAGTQAEIPHRRFEYKYSFKGPHLVQSDG
 TVPFWAHAGNAIPSADQIRIAPSLKSQRGSVWTKAKAAFENWEVEVTFRVTGRGRIGADGLAIWYTENQG
 LDGPVFGSADTWNGVGIFFDSFDNDGKKNPAIVVIGNNGQINYDHQNDGATQALASCQRDFRNKPYVPR
 AKITYYQKTLTVMINNGFTDPKNDYEFCAKVENMVIPTQGHFGISAATGGLADDHVDLSFLTFQLTEPGK
 EPPTAEKDISEKEKEKYQEEFEHFQQELDKKKEEFQKGHPLDQQPADDIFESIGDRELQVFEQNRH
 LEIKQLNRQLDMILDEQRRYVSSLTEEISRAGTTPGQPGQVSSQELDTVVKSQQEILRQVNEVKNMSME
 TVRLVSGIQHPGSAGVYETTQHFMDIKEHLHVVKRDISLAQRSMPSNEKPKCPDLPPFPSCSLSTIHFVI
 FVVVQTVLFGYIMYRTQQEAAAKKF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_027400

ORF Size: 1551 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_027400.3](#), [NP_081676.1](#)

RefSeq Size: 3575 bp

RefSeq ORF: 1554 bp

Locus ID: 70361

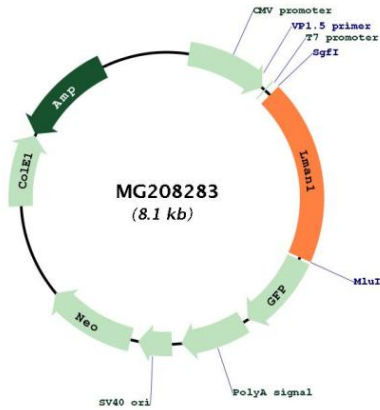
UniProt ID: [Q9D0F3](#)

Cytogenetics: 18 E1

Gene Summary:

Mannose-specific lectin. May recognize sugar residues of glycoproteins, glycolipids, or glycosylphosphatidyl inositol anchors and may be involved in the sorting or recycling of proteins, lipids, or both. The LMAN1-MCFD2 complex forms a specific cargo receptor for the ER-to-Golgi transport of selected proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208283